

Title (en)
PROCESS FOR PRODUCING STRETCH BLOW-MOLDED BOTTLE WITH A HANDLE

Publication
EP 0346518 B1 19930203 (EN)

Application
EP 88109693 A 19880616

Priority
JP 5643387 A 19870313

Abstract (en)
[origin: EP0346518A1] A process for producing a stretch blow-molded bottle with a handle, by the steps of (a) stretching an injection-molded or blow-molded preform formed of a thermoplastic resin within a blow-mold by axial stretching with a stretch pin and transverse stretch with blown air at a temperature at least equal to the glass transition point of the resin but below its molding temperature; (b) pressing and holding an area of the stretched preform between a pair of opposed movable projecting members provided within the blow mold after the preform is expanded to substantially fill the inner volume of the blow mold and before the preform is cooled to a temperature below the glass transition point; and (c) cooling the expanded preform by contact with the inner walls of the blow mold to form a stretch blow-molded bottle having opposing depressions defining a handle. In another aspect, the invention relates to a process for producing a stretch blow-molded bottle by the further step of thermally fusing the peripheral edges of the opposing depression and removing the resin inside the peripheral edges to form a hand hole surrounded by the stretch blow-molded bottle.

IPC 1-7
B29C 49/12; **B29C 49/48**

IPC 8 full level
B29C 49/42 (2006.01); **B29C 49/12** (2006.01); **B29C 49/48** (2006.01); **B29C 49/72** (2006.01); **B29C 49/06** (2006.01); **B29C 65/04** (2006.01); **B29L 22/00** (2006.01)

CPC (source: EP)
B29C 49/4802 (2013.01); **B29C 49/72** (2013.01); **B29C 49/06** (2013.01); **B29C 49/12** (2013.01); **B29C 49/4812** (2022.05); **B29C 65/04** (2013.01); **B29C 2049/4807** (2013.01); **B29C 2949/0715** (2022.05); **B29L 2031/463** (2013.01); **B29L 2031/7158** (2013.01)

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Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0346518 A1 19891220; **EP 0346518 B1 19930203**; DE 3878229 D1 19930318; DE 3878229 T2 19930909; JP H0635150 B2 19940511; JP S63222835 A 19880916

DOCDB simple family (application)
EP 88109693 A 19880616; DE 3878229 T 19880616; JP 5643387 A 19870313